BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : BALANCE DEVELOPMENTAL WORKS TO AYURVEDIC HOSPITAL IN WARD NO.05

EIRL

›ved Amount:-	13072771.00
e of Contractor:-	Sri. H.V. Onkarappa
der premium:-	(+) 4.99% (Above)

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	71.22	661.38	47106.00	Alternative Item	No	-	Yes, (Pg No. 26, It No.7.38 of PWD S.R 2021-22).	

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	m	19.40	429.42	8331.00	Additional Item	No	-	Yes, (Pg No. 27, It No.7.39.1 of PWD S.R 2021-22).	
E3	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Gutter (600 mm over all girth)	m	39.67	1017.05	40347.00	Additional Item	No	-	Yes, (Pg No. 27, It No.7.39.6 of PWD S.R 2021-22).	

vivo X50 Pro 5G
Jan 12, 2024, 13:24

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E4	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	25.46	6892.38	175463.00	Alternative Item	No	-	Yes, (Pg No. 16, It No.2.3.1 of PWD S.R 2021-22).	
E5	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	2.00	4903.66	9807.00	Additional Item	No	-	Yes, (Pg No. 123, It No.14.1.1 of PWD S.R 2021-22).	

vivo X50 Pro 5G
Jan 12, 2024, 13:24

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E6	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureopean type W.C. of quality and make as approved by Engineer - in - charge.	Each	19.00	285.26	5420.00	Additional Item	No	-	Yes, (Pg No. 127, It No.14.16A of PWD S.R 2021-22).	
E7	PTMT grating 100 mm dia.	Each	21.00	18.48	388.00	Additional Item	No	-	Yes, (Pg No. A-26, It No.470 of PWD S.R 2021-22).	
E8	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor. upto 12.5 HP	Each	1.00	7256.91	7257.00	Additional Item	No	-	Yes, (Pg No. 10, It No.5.2.1 of PWD Ele. S.R 2022-23).	
E9	Supplying of LED light fitting 1 x 4 feet -PVC Batten with integrated LED tube 20/22 W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.	Each	75.00	776.93	58269.00	Additional Item	No	-	Yes, (Pg No. 34, It No.11.3.2 of PWD Ele. S.R 2022-23).	

vivo X50 Pro 5G
Jan 12, 2024, 13:25

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E10	Supplying & fixing of retrofit type - LED bulb ..... W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per W, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 7W, 6500K	Each	62.00	155.39	9634.00	Additional Item	No	-	Yes, (Pg No. 38, It No.11.11.3 of PWD Ele. S.R 2022-23).	
E11	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and asper directions of Engineer-in-charge.	Sqm	99.34	76.22	7572.00	Additional Item	No	-	Yes, (Pg No. 45, It No.8.28 of PWD S.R 2021-22).	
E12	Providing, supplying to work site,Single Phase Submersible Pump Sets of 100mm dia (4 inch) suitable for bore well confirming to IS 8034-2000 specifications,with testing of as per instructions of engineer incharge of work and latest amendments. 1.00 HP/0.75KW 7 STG	Each	1.00	15562.14	15562.00	Additional Item	No	-	Yes, (Pg No. 158, It No.6.1 of PWD S.R 2021-22).	

o X50 Pro 5G
12, 2024, 13:25

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E13	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of	Each	2.00	7758.76	15518.00	Additional Item	No	-	Yes, (Pg No. 37, It No.11.9.1 of PWD Ele. S.R 2022-23).	
E14	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	299.48	130.85	39186.00	Alternative Item	No		Yes, (Pg No. 81, It No. 11.16.3 of PWD S.R 2021-22).	

vivo X50 Pro 5G
Jan 12, 2024, 13:25

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E15	Supplying ..... A rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete 600 A 4 x 75 x 10 mm Aluminium Strips	m	0.35	5306.19	1857.00	Additional Item	No	-	Yes, (Pg No. 15, It No.5.40.4 of PWD Ele. S.R 2022-23).	
E16	Laying of UG Cables by Trenchless Technology by adopting horizontal boring & drawing of cable including preparation at site:Normal soil 5/6" Bore With HDPE Pipe	Rmtr	13.00	890.32	11574.00	Alternative Item	No		Yes, (It No. 37.02 of BESCOM CSR 2021-22).	
E17	LT Current Transformer, 3.75 VA,Ring type as per IS-2705 Part-1&2:CT Ratio-30/5A, 1.0 Accuracy Class	Nos	8.00	914.46	7316.00	Alternative Item	No		Yes, (It No. 59.02 of BESCOM CSR 2021-22)	
E18	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 Way	Each	28.00	129.14	3616.00	Additional Item	No	-	Yes, (Pg No. 5, It No.3.4.1 of PWD Ele. S.R 2022-23).	

vivo X50 Pro 5G
Jan 12, 2024, 13:25

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E19	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 Way	Each	8.00	144.89	1159.00	Additional Item	No	-	Yes, (Pg No. 5, It No.3.4.2 of PWD Ele. S.R 2022-23).	
E20	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6 Way	Each	4.00	222.58	890.00	Additional Item	No	-	Yes, (Pg No. 5, It No.3.4.3 of PWD Ele. S.R 2022-23).	
E21	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8 Way	Each	2.00	262.48	525.00	Additional Item	No	-	Yes, (Pg No. 5, It No.3.4.4 of PWD Ele. S.R 2022-23).	
E22	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12 Way	Each	25.00	341.22	8530.00	Additional Item	No	-	Yes, (Pg No. 5, It No.3.4.5 of PWD Ele. S.R 2022-23).	
E23	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 16-18 Way	Each	4.00	371.66	1487.00	Additional Item	No	-	Yes, (Pg No. 5, It No.3.4.6 of PWD Ele. S.R 2022-23).	

vivo X50 Pro 5G
Jan 12, 2024, 13:25

	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E24	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.	Sqm	810.00	287.57	232930.00	Alternative Item	No	-	Yes, (Pg No. 189, It No.21.2 of PWD S.R 2021-22).	
E25	Dismantling of barbed wire fencing/ wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and lead, stacking serviceable material and unserviceable material separately. MORTH Specification 202	m	101.13	86.62	8759.00	Additional Item	No	-	Yes, (Pg No. 10, It No.2.24 of PWD S.R 2021-22).	

vivo X50 Pro 5G
Jan 12, 2024, 13:25

No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E26	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.	Sqm	37.66	229.82	8656.00	Additional Item	No	-	Yes, (Pg No. 44, It No 8.19.1 of PWD S.R 2021-22).	
	TOTAL EIRL AMOUNT				727159.00					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{727159.00}{13072771.00} \times 100 =$ **5.56 %**

Asst Engineer

Asst.Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

Executive Engineer

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬ್ಯಾಡರಾಯನಪುರ,
ಬೆಂಗಳೂರು - 560092

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

vivo X50 Pro 5G